



U.S. Environmental Protection Agency
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837

Data Report: PREPA SOUTH COAST STEAM PLANT

Project Number: 06100041

Program: A305

Project Leader: FRANCISCO CLAUDIO

| Remark Codes | Explanation |
|-----------------|--|
| U | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. |
| J | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE. |
| UJ | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE. |
| N | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. |
| NJ | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE. |
| R | THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE. |
| K | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE. |
| L | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE. |
| NV | NOT VALIDATED |
| INC | RESULT NOT ENTERED |



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Data Report

Survey Name: PREPA SOUTH COAST STEAM PLANT

Project Number: 06100041

*Sorted By Sample ID

AH06206 Field/Station ID: 01051506
Matrix: Oil

Date Received: 10/23/2006

Sample Description:

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|------------------------------------|---------------|---------------------|--------------|
| | N-HEPTANE INSOLUBLES [ASPHALTENES] | 2.6 | | % |
| 7704-34-9 | SULFUR, W/W | 0.63 | | % |
| 7440-62-2 | VANADIUM | 34 | | mg/Kg |

AH06207 Field/Station ID: 01071806
Matrix: Oil

Date Received: 10/23/2006

Sample Description:

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|------------------------------------|---------------|---------------------|--------------|
| | N-HEPTANE INSOLUBLES [ASPHALTENES] | 4.5 | | % |
| 7704-34-9 | SULFUR, W/W | 0.70 | | % |
| 7440-62-2 | VANADIUM | 41 | | mg/Kg |

AH06208 Field/Station ID: 01041806
Matrix: Oil

Date Received: 10/23/2006

Sample Description:

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|------------------------------------|---------------|---------------------|--------------|
| | N-HEPTANE INSOLUBLES [ASPHALTENES] | 1.7 | | % |
| 7704-34-9 | SULFUR, W/W | 0.69 | | % |
| 7440-62-2 | VANADIUM | 34 | | mg/Kg |

AH06209 Field/Station ID: 01062006
Matrix: Oil

Date Received: 10/23/2006

Sample Description:

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
|-------------------|---------------------|---------------|---------------------|--------------|

Refer to Page 1 for an explanation of Remark Codes

Report Date: 2/5/2007 7:00AM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: PREPA SOUTH COAST STEAM PLANT

Project Number: 06100041

*Sorted By Sample ID

AH06209

Field/Station ID: 01062006

Date Received: 10/23/2006

Matrix: Oil

Sample Description:

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|------------------------------------|---------------|---------------------|--------------|
| | N-HEPTANE INSOLUBLES [ASPHALTENES] | 1.7 | | % |
| 7704-34-9 | SULFUR, W/W | 0.70 | | % |
| 7440-62-2 | VANADIUM | 35 | | mg/Kg |

Project Approval: _____

Date: 2-9-07

Refer to Page 1 for an explanation of Remark Codes

Report Date: 2/5/2007 7:00AM

Case Narrative:

PREPA South Coast Steam Plant #06100041

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

Comment(s):

None.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.

Method(s):

- Vanadium Analysis, ASTM Method D5708 (SOP C-105; ICP-AES Method)
- Sulfur Analysis, ASTM Method D 4294 (SOP C-98; X-Ray Fluorescence Method)
- n-Heptane Insolubles (Asphaltenes) Analysis, Modified ASTM Method D 3279 (SOP C-99; Spectrophotometric Method)

Approval: J.R. Shea Date: 2-9-07